

Xiaomi thermometer battery replaced with solar panel

Learn how to DIY a Xiaomi Bluetooth temperature and humidity sensor using a solar panel and supercapacitor to achieve unlimited battery life and stable indoor use.

If you accidentally set the "LE Long Range" on the thermometer, and your device does not support BT5.0, remove and insert the battery - the thermometer will switch to BT4.2 support mode.

The issue I have is that every time the battery is changed (or dies before I notice), the device is never recognized by HA again. I have tried several things including reboots and keeping ...

Step 2 Change Battery You need a spare CR2032 battery. Remove the old battery and attach new battery from top.

Whether it's a button cell (CR2032, LR44) or a small rechargeable battery, this step-by-step guide covers the safest way to open your thermometer, check the battery, and restore functionality.

The journey of changing the battery in a solar thermometer typically begins with locating the battery compartment, a critical step that varies depending on the model.

By flashing your sensors' firmware with the PVVX version, you can go from a few weeks to over a year of battery life. I can confirm this: it's now been about a year (last August) since I ...

Those little Bluetooth thermometers from Xiaomi can be flashed with custom firmware to turn them into Zigbee devices. But Zigbee implementation consumes a bit more power and a small ...

Solar Digital Pool & Spa Thermometer, Weather Resistant Floating Thermometer, IPX-8 Water Proof, 10s Measuring Cycle, Solar Powered with Over 180 Days Battery Life

I had the idea to power the thermometer with a mini solar panel (and a supercap as backup for night / cloudy times). I wanted to keep the hardware modifications as simple as possible, ...

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